Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/23/2018 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123367	-2	1.41	123398	1.41
Blue	F	SSC	125000	124970	-1	2.72	125698	2.83
Blue	E	FITC	16596	16094	-4	3.19	347	21.27
Blue	D	PE	29392	28636	-3	2.38	624	16.15
Blue	B	PerCP-Cy5-5	38531	38013	-2	4.39	1154	22.15
Blue	A	PE-Cy7	26351	26335	-1	7.23	638	44.62
Red	C	APC	43035	42031	-3	2.80	1578	13.44
Red	A	APC-Cy7	25611	25274	-2	2.84	869	13.03
Violet	B	V450	8803	8370	-5	4.71	459	14.24
Violet	A	V500	32560	31146	-5	4.41	724	11.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20456	4.30	604	7	N/A	N/A	Pass
Blue	F	SSC	56597	2.23	571	16	N/A	N/A	Pass
Blue	E	FITC	62	68.71	556	6	0.0175	160	Pass
Blue	D	PE	130	55.17	556	7	0.1375	289	Pass
Blue	B	PerCP-Cy5-5	223	52.09	658	7	0.0078	41	Pass
Blue	A	PE-Cy7	127	104.40	714	9	0.0091	11	Pass
Red	C	APC	369	28.19	602	5	0.0196	112	Pass
Red	A	APC-Cy7	212	28.80	576	5	0.0047	990	Pass
Violet	B	V450	72	64.86	477	2	0.0504	2387	Pass
Violet	A	V500	108	33.98	486	2	0.0200	536	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.42	-32.22	1.13
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	17.79	13.60 - 20.40	N/A	N/A	29.63	29.83	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12788

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments